Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/05/2018 10:29 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123974	-1	3.10	123985	3.12
Blue	F	SSC	125000	123913	-1	1.89	124552	1.90
Blue	E	FITC	15760	15126	-5	3.30	327	23.01
Blue	D	PE	25880	25213	-3	2.42	547	16.81
Blue	B	PerCP-Cy5-5	34075	33878	-1	4.48	1028	23.39
Blue	A	PE-Cy7	22776	22724	-1	7.77	546	45.21
Red	C	APC	42488	41490	-3	3.10	1564	13.57
Red	A	APC-Cy7	24478	23727	-4	3.38	812	13.62
Violet	B	V450	6304	6096	-4	4.43	348	16.75
Violet	A	V500	26005	24686	-6	4.05	577	13.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20448	9.94	608	11	N/A	N/A	Pass
Blue	F	SSC	55930	1.73	573	18	N/A	N/A	Pass
Blue	E	FITC	56	74.13	561	5	0.0144	123	Pass
Blue	D	PE	115	56.05	556	7	0.1232	263	Pass
Blue	B	PerCP-Cy5-5	193	56.27	657	10	0.0069	46	Pass
Blue	A	PE-Cy7	107	113.15	711	14	0.0093	31	Pass
Red	C	APC	366	29.17	605	5	0.0197	184	Pass
Red	A	APC-Cy7	198	29.65	576	5	0.0043	821	Pass
Violet	B	V450	59	76.52	494	5	0.0388	3669	Pass
Violet	A	V500	86	44.48	510	4	0.0135	981	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.05	-30.43	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.19	13.60 - 20.40	N/A	N/A	30.42	31.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 12485

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments